Claims Status as of April 1, 2008

1-20. (cancelled)

21. (previously presented currently amended) An arch shape cross section leaching chamber which comprises: an unperforated top, a horizontal base, and an inwardly sloped and upwardly curving sidewall running from a chamber base to the top; the sidewall having a multiplicity of perforations which comprise slots that flare inwardly from the exterior surface of the sidewall to the interior surface of the sidewall; each slot having a horizontal opening length dimension which is greater than the vertical opening dimension of the slot, as said dimensions are measured at said exterior surface; the slots spaced apart horizontally and vertically and running lengthwise along the chamber; wherein the basic axes of said slots slope downwardly as the basic axes run from the inside to the outside of the chamber sidewall.

22. (previously presented) The chamber of claim 21, wherein said included angle of flare is between 2 and about 12 degrees.

23. (previously presented) The chamber of claim 21, wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch.

24. (currently amended) The chamber of claim 22, wherein the slope of the basic axes of said multiplicity of perforations which comprise ~~the~~ slots is about 12 degrees as measured from the horizontal.

25. (currently amended) The chamber of claim 23, wherein the slope of the basic axes of said multiplicity of perforations which comprise ~~the~~ slots is about 12 degrees as measured from the horizontal.

26. (currently amended) A molded arch shape cross section leaching chamber which comprises: an unperforated top, a horizontal base, and an inwardly curving perforated sidewall running upwardly ~~to~~ from the base to the top; the sidewall having a multiplicity of perforations which comprise slots that flare inwardly, from the exterior surface of the sidewall to the interior surface of the sidewall; each slot having a horizontal lengthwise opening dimension which is greater than the vertical opening dimension of the slot, as said dimensions are measured at said exterior surface; the slots spaced apart horizontally and vertically and running lengthwise along the chamber; wherein the basic axes of said slots slope downwardly as the basic axes run from the inside to the outside of the chamber sidewall; wherein, said horizontal base comprises a horizontal flange and an upwardly extending lengthwise fin running along the outer edge thereof; and, wherein the extension of the downwardly sloping basic axes of at least some of said multiplicity of slot perforations intersects said fin.

27. (previously presented) The chamber of claim 21, wherein the chamber further comprises: a base flange which extends outwardly from the bottom of the sidewall; and, an upwardly extending fin running along the outermost part of the base flange; wherein the extension of the basic axes of at least some of said multiplicity of slots intersects said fin.

28. (currently amended) The chamber of claim 27, wherein the slope of the basic axes of said multiplicity of perforations which comprise ~~the~~ slots is about 12 degrees as measured from the horizontal.

29. (previously presented) An arch shape cross section leaching chamber comprising: an unperforated top; a horizontal base; and, inwardly sloped and upwardly curving opposing sidewalls running down from the top to opposing sides of said base, for contacting soil during use; each sidewall having a multiplicity of horizontal lengthwise slots which are spaced apart horizontally and vertically along the sidewalls; each slot flaring inwardly, from the exterior surface of the sidewall to the interior surface of the sidewall; each slot having a horizontal lengthwise opening dimension which is greater than the vertical opening dimension of the slot, as said dimensions are measured at said exterior surface; wherein the basic axes of all the slots on each opposing sidewall slope downwardly at about the same

angle, as the basic axes run from the inside to the outside of the chamber sidewall; wherein the slots of said multiplicities of slots have a combination of vertical opening dimension, inward flare and downward slope axis which retards entry into the interior of the chamber of soil which is in contact with the sidewall during use.

30. (previously presented) The chamber of claim 29, wherein said included angle of flare is between 2 and about 12 degrees.

31. (previously presented) The chamber of claim 29, wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch.

32. (currently amended) The chamber of claim 30, wherein the slope of the basic axes of said multiplicity of perforations which comprise ~~the~~ slots is about 12 degrees as measured from the horizontal.

33. (previously presented) The chamber of claim 29, wherein said included angle of flare is between 2 and about 12 degrees; wherein the slot heights measured at the interior of the chamber are in the range of about 0.105 inch to about 0.200 inch; and wherein the slope of the basic axes of the slots is about 12 degrees as measured from the horizontal.

34. (previously presented) The chamber of claim 21 wherein all said multiplicity of slots have a combination of slot vertical opening dimension, inward flare and downward slope axis which retards entry into the interior of the chamber of soil which is in contact with the chamber exterior during use.